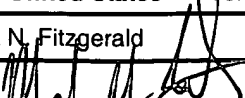


UTILITY PATENT APPLICATION TRANSMITTAL		Attorney Docket No.: S-102,304	
		First Inventor or Application Identifier: Warren P. Steckle et al.	
		Title: MIXING UTILITY, LIQUID VISCOMETRIC APPARATUS	
		Express Mail Label No.: EU875998975US	
APPLICATION ELEMENTS		ADDRESS TO: Commissioner for Patents Mail Stop Patent Application PO Box 1450 Alexandria, VA 22313-1450	
<p>1. <input checked="" type="checkbox"/> * Fee Transmittal Form (e.g. PTO/SB/17) (submit an original and a duplicate for fee processing)</p> <p>2. <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.</p> <p>3. <input checked="" type="checkbox"/> Specification [Total Pages: 11] <input checked="" type="checkbox"/> Descriptive title of the Invention <input type="checkbox"/> Cross References to Related Applications <input checked="" type="checkbox"/> Statement Regarding Fed sponsored R&D <input type="checkbox"/> Reference to sequence listing, a table or a computer program listing appendix <input checked="" type="checkbox"/> Background of the Invention <input checked="" type="checkbox"/> Brief Description of the Drawings (if filed) <input checked="" type="checkbox"/> Detailed Description <input checked="" type="checkbox"/> Claim(s) <input checked="" type="checkbox"/> Abstract of the Disclosure</p> <p>4. <input checked="" type="checkbox"/> Drawings(s) (35 U.S.C. 113) [Total Sheets: 6] <input checked="" type="checkbox"/> Formal <input type="checkbox"/> Informal</p> <p>5. <input checked="" type="checkbox"/> Declaration & Power of Attorney [Total Pages: 2] a. <input checked="" type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 C.F.R. § 63(d) (for continuation/divisional with Box 16 completed) c. <input type="checkbox"/> <u>DELETION OF INVENTOR(S)</u> Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33 (b).</p> <p>6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76</p>		<p>7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)</p> <p>8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. <input type="checkbox"/> Computer Readable Form (CRF) b. Specification Sequence Listing on: i. <input type="checkbox"/> CD-ROM or CD-R (2 copies): or ii. <input type="checkbox"/> paper c. <input type="checkbox"/> Statement verifying identity of above copies</p> <p>ACCOMPANYING APPLICATION PARTS</p> <p>9. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & document(s))</p> <p>10. <input type="checkbox"/> 37 C.F.R. § 3.73(b) Statement <input type="checkbox"/> Power of (when there is an assignee) Attorney</p> <p>11. <input type="checkbox"/> English Translation Document (if applicable)</p> <p>12. <input checked="" type="checkbox"/> Information Disclosure <input type="checkbox"/> Copies of IDS Statement (IDS)/PTO-1449 Citations</p> <p>13. <input type="checkbox"/> Preliminary Amendment</p> <p>14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (should be specifically itemized)</p> <p>15. <input type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed)</p> <p>16. <input type="checkbox"/> Nonpublication Request and Certification Under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent</p> <p>17. <input type="checkbox"/> Other:</p>	
<p>16. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:</p> <p><input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior application S.N. .</p> <p>Prior application information: Examiner: Group/Art Unit:</p> <p>For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.</p>			
16. CORRESPONDENCE ADDRESS			
<input checked="" type="checkbox"/> Customer Number 35068 OR <input type="checkbox"/> Correspondence Address Below			
35068			
Name: Mark N. Fitzgerald			
Address: Los Alamos National Laboratory, LC/IP, MS A187			
City: Los Alamos State: New Mexico Zip Code: 87545			
Country: United States Telephone: (505) 665-5187 Fax: (505) 665-4424			
Name: Mark N. Fitzgerald		Registration No.: 48,300	
Signature: 		Date: 3/23/04	

FEE TRANSMITTAL For FY 2004 <small>Patent fees are subject to annual revision</small>		Complete if Known	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Application Number:	
		Filing Date:	
		First Named Inventor:	Warren P. Steckle
		Examiner Name:	
		Group/Art Unit:	
TOTAL AMOUNT OF PAYMENT: \$		Attorney Docket No.:	S-102,304

METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)																																																																																																																																																																																																																																																																									
1. <input checked="" type="checkbox"/> The commissioner is hereby authorized to charge indicated fees and credit any over payments to: Deposit Account Number: 12-2150 Deposit Account Name: Los Alamos National Laboratory <input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 C.F.R. 1.16 and 1.17	3. ADDITIONAL FEES <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Large Entity</th> <th style="text-align: left;">Small Entity</th> <th style="text-align: left;">Fee Code</th> <th style="text-align: left;">Fee (\$)</th> <th style="text-align: left;">Fee Description</th> <th style="text-align: right;">Fee Paid</th> </tr> </thead> <tbody> <tr> <td>1051</td> <td>2051</td> <td>\$130</td> <td>\$65</td> <td>Surcharge – late filing fee or oath</td> <td></td> </tr> <tr> <td>1052</td> <td>2052</td> <td>\$50</td> <td>\$25</td> <td>Surcharge – late provisional filing fee or cover sheet</td> <td></td> </tr> <tr> <td>1812</td> <td>2520</td> <td>\$2,520</td> <td>\$2,520</td> <td>For filing a request for reexamination</td> <td></td> </tr> <tr> <td>1251</td> <td>2251</td> <td>\$110</td> <td>\$55</td> <td>Extension for reply within first month</td> <td></td> </tr> <tr> <td>1252</td> <td>2252</td> <td>\$420</td> <td>\$210</td> <td>Extension for reply within second month</td> <td></td> </tr> <tr> <td>1253</td> <td>2253</td> <td>\$950</td> <td>\$475</td> <td>Extension for reply within third month</td> <td></td> </tr> <tr> <td>1254</td> <td>2254</td> <td>\$1,480</td> <td>\$740</td> <td>Extension for reply within fourth month</td> <td></td> </tr> <tr> <td>1255</td> <td>2255</td> <td>\$2,010</td> <td>\$1,005</td> <td>Extension for reply within fifth month</td> <td></td> </tr> <tr> <td>1401</td> <td>2401</td> <td>\$330</td> <td>\$165</td> <td>Notice of Appeal</td> <td></td> </tr> <tr> <td>1402</td> <td>2402</td> <td>\$330</td> <td>\$165</td> <td>Filing a brief in support of an appeal</td> <td></td> </tr> <tr> <td>1403</td> <td>2403</td> <td>\$290</td> <td>\$145</td> <td>Request for oral hearing</td> <td></td> </tr> <tr> <td>1452</td> <td>2452</td> <td>\$110</td> <td>\$55</td> <td>Petition to revive – unavoidable</td> <td></td> </tr> <tr> <td>1814</td> <td>2814</td> <td>\$110</td> <td>\$55</td> <td>Terminal Disclaimer</td> <td></td> </tr> <tr> <td>1453</td> <td>2453</td> <td>\$1,330</td> <td>\$665</td> <td>Petition to revive – unintentional</td> <td></td> </tr> <tr> <td>1460</td> <td>1460</td> <td>\$130</td> <td>\$130</td> <td>Petitions to the Commissioner</td> <td></td> </tr> <tr> <td>1806</td> <td>1806</td> <td>\$180</td> <td>\$180</td> <td>Submission of Information Disclosure Statement</td> <td></td> </tr> <tr> <td>1809</td> <td>2809</td> <td>\$770</td> <td>\$385</td> <td>Filing a submission after final rejection (37 CFR 1.129 (a))</td> <td></td> </tr> <tr> <td>1810</td> <td>2810</td> <td>\$770</td> <td>\$385</td> <td>For each additional invention to be examined (37 CFR 1.129(b))</td> <td></td> </tr> <tr> <td>1811</td> <td>1811</td> <td>\$100</td> <td>\$100</td> <td>Certificate of Correction</td> <td></td> </tr> <tr> <td>1504</td> <td>1504</td> <td>\$300</td> <td>\$300</td> <td>Publication fee for early, voluntary, or normal publication</td> <td></td> </tr> <tr> <td>1801</td> <td>2801</td> <td>\$770</td> <td>\$385</td> <td>Request for Continued Examination (RCE)</td> <td></td> </tr> <tr> <td colspan="6" style="padding: 5px;">Other fee (specify) _____</td> </tr> <tr> <td colspan="5" style="text-align: right; padding: 5px;">SUBTOTAL (3)</td> <td style="text-align: right; padding: 5px;">\$-0-</td> </tr> <tr> <td colspan="6" style="padding: 5px;">Reduced by Basic Filing Fee Paid</td> </tr> <tr> <td colspan="5" style="text-align: right; padding: 5px;">SUBTOTAL FROM 1</td> <td style="text-align: right; padding: 5px;">\$385.00</td> </tr> <tr> <td colspan="5" style="text-align: right; padding: 5px;">SUBTOTAL FROM 2</td> <td style="text-align: right; padding: 5px;">\$-0-</td> </tr> <tr> <td colspan="5" style="text-align: right; padding: 5px;">SUBTOTAL FROM 3</td> <td style="text-align: right; padding: 5px;">\$-0-</td> </tr> <tr> <td colspan="5" style="text-align: right; padding: 5px;">TOTAL AMOUNT OF PAYMENT</td> <td style="text-align: right; padding: 5px;">\$385.00</td> </tr> </tbody> </table>	Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Description	Fee Paid	1051	2051	\$130	\$65	Surcharge – late filing fee or oath		1052	2052	\$50	\$25	Surcharge – late provisional filing fee or cover sheet		1812	2520	\$2,520	\$2,520	For filing a request for reexamination		1251	2251	\$110	\$55	Extension for reply within first month		1252	2252	\$420	\$210	Extension for reply within second month		1253	2253	\$950	\$475	Extension for reply within third month		1254	2254	\$1,480	\$740	Extension for reply within fourth month		1255	2255	\$2,010	\$1,005	Extension for reply within fifth month		1401	2401	\$330	\$165	Notice of Appeal		1402	2402	\$330	\$165	Filing a brief in support of an appeal		1403	2403	\$290	\$145	Request for oral hearing		1452	2452	\$110	\$55	Petition to revive – unavoidable		1814	2814	\$110	\$55	Terminal Disclaimer		1453	2453	\$1,330	\$665	Petition to revive – unintentional		1460	1460	\$130	\$130	Petitions to the Commissioner		1806	1806	\$180	\$180	Submission of Information Disclosure Statement		1809	2809	\$770	\$385	Filing a submission after final rejection (37 CFR 1.129 (a))		1810	2810	\$770	\$385	For each additional invention to be examined (37 CFR 1.129(b))		1811	1811	\$100	\$100	Certificate of Correction		1504	1504	\$300	\$300	Publication fee for early, voluntary, or normal publication		1801	2801	\$770	\$385	Request for Continued Examination (RCE)		Other fee (specify) _____						SUBTOTAL (3)					\$-0-	Reduced by Basic Filing Fee Paid						SUBTOTAL FROM 1					\$385.00	SUBTOTAL FROM 2					\$-0-	SUBTOTAL FROM 3					\$-0-	TOTAL AMOUNT OF PAYMENT					\$385.00	1. BASIC FILING FEE <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Large Entity</th> <th style="text-align: left;">Small Entity</th> <th style="text-align: left;">Fee</th> <th style="text-align: left;">Fee</th> <th style="text-align: left;">Fee Description</th> <th style="text-align: right;">Fee Paid</th> </tr> </thead> <tbody> <tr> <td>1001</td> <td>2001</td> <td>\$770</td> <td>\$385</td> <td>Utility filing fee</td> <td></td> </tr> <tr> <td>1004</td> <td>2004</td> <td>\$770</td> <td>\$385</td> <td>Reissue filing fee</td> <td></td> </tr> <tr> <td>1005</td> <td>2005</td> <td>\$160</td> <td>\$80</td> <td>Provisional filing fee</td> <td></td> </tr> <tr> <td colspan="5" style="text-align: right; padding: 5px;">SUBTOTAL (1)</td> <td style="text-align: right; padding: 5px;">\$385.00</td> </tr> </tbody> </table> 2. EXTRA CLAIM FEES <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Total Claims</th> <th style="text-align: left;">Independent Claims</th> <th style="text-align: left;">Multiple Dependent</th> <th style="text-align: left;">Extra Claims</th> <th style="text-align: left;">Fee from Fee Paid Below</th> <th style="text-align: right;">Fee Paid</th> </tr> </thead> <tbody> <tr> <td>12</td> <td>-20**</td> <td>=</td> <td>X</td> <td>=</td> <td style="text-align: right;">-0-</td> </tr> <tr> <td>3</td> <td>-3**</td> <td>=</td> <td>X</td> <td>=</td> <td style="text-align: right;">-0-</td> </tr> <tr> <td colspan="5"></td> <td style="text-align: right;">=</td> </tr> </tbody> </table> <p style="font-size: small;">** or number previously paid, if greater; For Reissues, see below</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Large Entity</th> <th style="text-align: left;">Small Entity</th> <th style="text-align: left;">Fee</th> <th style="text-align: left;">Fee</th> <th style="text-align: left;">Fee Description</th> </tr> </thead> <tbody> <tr> <td>1202</td> <td>2202</td> <td>\$18</td> <td>\$9</td> <td>Claims in excess of 20</td> </tr> <tr> <td>1201</td> <td>2201</td> <td>\$86</td> <td>\$43</td> <td>Independent claims in excess of 3</td> </tr> <tr> <td>1203</td> <td>2203</td> <td>\$290</td> <td>\$145</td> <td>Multiple dependent claim, if not paid.</td> </tr> <tr> <td>1204</td> <td>2204</td> <td>\$86</td> <td>\$43</td> <td>** Reissue independent claims over original patent</td> </tr> <tr> <td>1205</td> <td>2205</td> <td>\$18</td> <td>\$9</td> <td>** Reissue claims in excess of 20 and over original patent</td> </tr> <tr> <td colspan="5" style="text-align: right; padding: 5px;">SUBTOTAL (2)</td> <td style="text-align: right; padding: 5px;">\$-0-</td> </tr> </tbody> </table>	Large Entity	Small Entity	Fee	Fee	Fee Description	Fee Paid	1001	2001	\$770	\$385	Utility filing fee		1004	2004	\$770	\$385	Reissue filing fee		1005	2005	\$160	\$80	Provisional filing fee		SUBTOTAL (1)					\$385.00	Total Claims	Independent Claims	Multiple Dependent	Extra Claims	Fee from Fee Paid Below	Fee Paid	12	-20**	=	X	=	-0-	3	-3**	=	X	=	-0-						=	Large Entity	Small Entity	Fee	Fee	Fee Description	1202	2202	\$18	\$9	Claims in excess of 20	1201	2201	\$86	\$43	Independent claims in excess of 3	1203	2203	\$290	\$145	Multiple dependent claim, if not paid.	1204	2204	\$86	\$43	** Reissue independent claims over original patent	1205	2205	\$18	\$9	** Reissue claims in excess of 20 and over original patent	SUBTOTAL (2)					\$-0-
Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Description	Fee Paid																																																																																																																																																																																																																																																																					
1051	2051	\$130	\$65	Surcharge – late filing fee or oath																																																																																																																																																																																																																																																																						
1052	2052	\$50	\$25	Surcharge – late provisional filing fee or cover sheet																																																																																																																																																																																																																																																																						
1812	2520	\$2,520	\$2,520	For filing a request for reexamination																																																																																																																																																																																																																																																																						
1251	2251	\$110	\$55	Extension for reply within first month																																																																																																																																																																																																																																																																						
1252	2252	\$420	\$210	Extension for reply within second month																																																																																																																																																																																																																																																																						
1253	2253	\$950	\$475	Extension for reply within third month																																																																																																																																																																																																																																																																						
1254	2254	\$1,480	\$740	Extension for reply within fourth month																																																																																																																																																																																																																																																																						
1255	2255	\$2,010	\$1,005	Extension for reply within fifth month																																																																																																																																																																																																																																																																						
1401	2401	\$330	\$165	Notice of Appeal																																																																																																																																																																																																																																																																						
1402	2402	\$330	\$165	Filing a brief in support of an appeal																																																																																																																																																																																																																																																																						
1403	2403	\$290	\$145	Request for oral hearing																																																																																																																																																																																																																																																																						
1452	2452	\$110	\$55	Petition to revive – unavoidable																																																																																																																																																																																																																																																																						
1814	2814	\$110	\$55	Terminal Disclaimer																																																																																																																																																																																																																																																																						
1453	2453	\$1,330	\$665	Petition to revive – unintentional																																																																																																																																																																																																																																																																						
1460	1460	\$130	\$130	Petitions to the Commissioner																																																																																																																																																																																																																																																																						
1806	1806	\$180	\$180	Submission of Information Disclosure Statement																																																																																																																																																																																																																																																																						
1809	2809	\$770	\$385	Filing a submission after final rejection (37 CFR 1.129 (a))																																																																																																																																																																																																																																																																						
1810	2810	\$770	\$385	For each additional invention to be examined (37 CFR 1.129(b))																																																																																																																																																																																																																																																																						
1811	1811	\$100	\$100	Certificate of Correction																																																																																																																																																																																																																																																																						
1504	1504	\$300	\$300	Publication fee for early, voluntary, or normal publication																																																																																																																																																																																																																																																																						
1801	2801	\$770	\$385	Request for Continued Examination (RCE)																																																																																																																																																																																																																																																																						
Other fee (specify) _____																																																																																																																																																																																																																																																																										
SUBTOTAL (3)					\$-0-																																																																																																																																																																																																																																																																					
Reduced by Basic Filing Fee Paid																																																																																																																																																																																																																																																																										
SUBTOTAL FROM 1					\$385.00																																																																																																																																																																																																																																																																					
SUBTOTAL FROM 2					\$-0-																																																																																																																																																																																																																																																																					
SUBTOTAL FROM 3					\$-0-																																																																																																																																																																																																																																																																					
TOTAL AMOUNT OF PAYMENT					\$385.00																																																																																																																																																																																																																																																																					
Large Entity	Small Entity	Fee	Fee	Fee Description	Fee Paid																																																																																																																																																																																																																																																																					
1001	2001	\$770	\$385	Utility filing fee																																																																																																																																																																																																																																																																						
1004	2004	\$770	\$385	Reissue filing fee																																																																																																																																																																																																																																																																						
1005	2005	\$160	\$80	Provisional filing fee																																																																																																																																																																																																																																																																						
SUBTOTAL (1)					\$385.00																																																																																																																																																																																																																																																																					
Total Claims	Independent Claims	Multiple Dependent	Extra Claims	Fee from Fee Paid Below	Fee Paid																																																																																																																																																																																																																																																																					
12	-20**	=	X	=	-0-																																																																																																																																																																																																																																																																					
3	-3**	=	X	=	-0-																																																																																																																																																																																																																																																																					
					=																																																																																																																																																																																																																																																																					
Large Entity	Small Entity	Fee	Fee	Fee Description																																																																																																																																																																																																																																																																						
1202	2202	\$18	\$9	Claims in excess of 20																																																																																																																																																																																																																																																																						
1201	2201	\$86	\$43	Independent claims in excess of 3																																																																																																																																																																																																																																																																						
1203	2203	\$290	\$145	Multiple dependent claim, if not paid.																																																																																																																																																																																																																																																																						
1204	2204	\$86	\$43	** Reissue independent claims over original patent																																																																																																																																																																																																																																																																						
1205	2205	\$18	\$9	** Reissue claims in excess of 20 and over original patent																																																																																																																																																																																																																																																																						
SUBTOTAL (2)					\$-0-																																																																																																																																																																																																																																																																					

SUBMITTED BY		Complete (if applicable)	
Printed Name:	Mark M. Fitzgerald	Reg. No.	48,300
Signature:		Date:	3/23/04
		Telephone	(505) 665-5187